

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **06115479 A**

(43) Date of publication of application: **26.04.94**

(51) Int. Cl

B62M 7/06
B62J 39/00

(21) Application number: **04271482**

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(22) Date of filing: **09.10.92**

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(54) POWER SUPPLY UNIT FOR MOTOR-DRIVEN SCOOTER

(57) Abstract:

PURPOSE: To stably feed electricity to a control means and the like even if voltage fluctuates violently by constituting the power supply device to be combined with a main power supply feeding high drive voltage to the driving device, the lighting means of a motor driven scooter, which is actuated by low voltage, and with an auxiliary power supply which stably feeds low voltage to the control means and the like.

CONSTITUTION: A main power supply 1 is directly connected to a driving device 2, and the driving device 2 employs a motor specified by nominal voltage of 48V. The large driving force of the motor therefore allows a motor driven scooter to exhibit excellent power characteristics almost identical to those of an internal combustion engine. A DC stabilized power supply 5 as an auxiliary power supply inputs nominal voltage of 48V from the main supply 1, and stably drops it down to 12V nominally so as to be supplied to accessories such as a control means 4, a lighting means 3 and the like. By this constitution, nominal voltage of 12V is stably supplied from the DC stabilized power supply 5 even if the voltage of the main power supply 1 fluctuates

violently due to traveling, sufficient luminous energy is kept on by the lighting means 3, and the control means 4 operates stably.

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